



SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **PTD MODIFIED PROTEINS**.

The specification of which was filed on January 9, 2001 as application serial no. 09/757,824.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. §1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

No such claim for priority is being made at this time.

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

| | | | | | |
|------------------------|-----------------|-------------------------------|-----------------|-----------------------|-----------------|
| Anglin, J. Michael | Reg. No. 24,916 | Haack, John L. | Reg. No. 36,154 | Nielsen, Walter W. | Reg. No. 25,539 |
| Arora, Suneel | Reg. No. 42,267 | Harris, Robert J. | Reg. No. 37,346 | Padys, Danny J. | Reg. No. 35,635 |
| Beekman, Marvin L. | Reg. No. 38,377 | Hill, Stanley K. | Reg. No. 37,548 | Parker, J. Kevin | Reg. No. 33,024 |
| Bianchi, Timothy E. | Reg. No. 39,610 | Jackson Huebsch, Katharine A. | Reg. No. 47,670 | Perdok, Monique M. | Reg. No. 42,989 |
| Billion, Richard E. | Reg. No. 32,836 | Jurkovich, Patti J. | Reg. No. 44,813 | Peterson, David C. | Reg. No. 47,857 |
| Black, David W. | Reg. No. 42,331 | Kalis, Janal M. | Reg. No. 37,650 | Prout, William F. | Reg. No. 33,995 |
| Brennan, Leoniede M. | Reg. No. 35,832 | Klima-Silberg, Catherine I. | Reg. No. 40,052 | Schumm, Sherry W. | Reg. No. 39,422 |
| Brennan, Thomas F. | Reg. No. 35,075 | Kluth, Daniel J. | Reg. No. 32,146 | Schwegman, Micheal L. | Reg. No. 25,816 |
| Brooks, Edward J., III | Reg. No. 40,925 | Lacy, Rodney L. | Reg. No. 41,136 | Scott, John C. | Reg. No. 38,613 |
| Chadwick, Robin A. | Reg. No. 36,477 | Lemaire, Charles A. | Reg. No. 36,198 | Smith, Michael G. | Reg. No. 45,368 |
| Clark, Barbara J. | Reg. No. 38,107 | LeMoine, Dana B. | Reg. No. 40,062 | Speier, Gary J. | Reg. No. 45,458 |
| Clise, Timothy B. | Reg. No. 40,957 | Lundberg, Steven W. | Reg. No. 30,568 | Steffey, Charles E. | Reg. No. 25,179 |
| Dahl, John M. | Reg. No. 44,639 | Maki, Peter C. | Reg. No. 42,832 | Stordal, Leif T. | Reg. No. 46,251 |
| Drake, Eduardo E. | Reg. No. 40,594 | Malen, Peter L. | Reg. No. 44,894 | Terry, Kathleen R. | Reg. No. 31,884 |
| Embretson, Janet E. | Reg. No. 39,665 | Mates, Robert E. | Reg. No. 35,271 | Tong, Viet V. | Reg. No. 45,416 |
| Fordenbacher, Paul J. | Reg. No. 42,546 | McCrackin, Ann M. | Reg. No. 42,858 | Viksnins, Ann S. | Reg. No. 37,748 |
| Forrest, Bradley A. | Reg. No. 30,837 | Moore, Charles L., Jr. | Reg. No. 33,742 | Vogel, Peter J. | Reg. No. 41,363 |
| Gamon, Owen J. | Reg. No. 36,143 | Nama, Kash | Reg. No. 44,255 | Woessner, Warren D. | Reg. No. 30,440 |
| Gortych, Joseph E. | Reg. No. 41,791 | Nelson, Albin J. | Reg. No. 28,650 | | |

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to **Schwegman, Lundberg, Woessner & Kluth, P.A.** at the address indicated below:
P.O. Box 2938, Minneapolis, MN 55402
Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1 : **Beverly L. Davidson**

Citizenship: **United States of America**

Residence: **Iowa City, IA**

Post Office Address: **3640 Johnston Way N.E.
Iowa City, IA 52242**

Signature: 
Beverly L. Davidson

Date: 4/23/01

Full Name of joint inventor number 2 : **Qinwen Mao**

Citizenship: **China**

Residence: **Iowa City, IA**

Post Office Address: **1264 Shannon Drive
Iowa City, IA 52246**

Signature: 
Qinwen Mao

Date: 4/23/01

☒ Additional inventors are being named on separately numbered sheets, attached hereto.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 3 : Haibin Xia

Citizenship: China

Residence: Iowa City, IA

Post Office Address: 1264 Shannon Drive
Iowa City, IA 52246

Signature: _____

Haibin XIA
Haibin Xia

Date: _____

4-23-01

Full Name of inventor:

Citizenship:

Residence:

Post Office Address:

Signature: _____

Date: _____

Full Name of inventor:

Citizenship:

Residence:

Post Office Address:

Signature: _____

Date: _____

Full Name of inventor:

Citizenship:

Residence:

Post Office Address:

Signature: _____

Date: _____

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.



NONPROFIT ORGANIZATION

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 C.F.R. 1.9(e) AND 1.27(d)) - NONPROFIT ORGANIZATION

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION: University of Iowa Research Foundation

ADDRESS OF ORGANIZATION: Oakdale Research Campus

100 Oakdale Campus #214 TIC

Iowa City, IA 52242-5000

TYPE OF ORGANIZATION:

- a) ☐ UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION
b) ☐ TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 U.S.C. 501(a) AND 501(c)(3))
c) ☐ NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA -- (NAME OF STATE _____)
(CITATION OF STATUTE _____)
d) ☐ WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 U.S.C. 501(a) AND 501(c)(3)) IF LOCATED IN THE UNITED STATES OF AMERICA
e) ☐ WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA -- (NAME OF STATE _____)
(CITATION OF STATUTE _____)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 13 C.F.R. 1.9(e) for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, in regard to the invention, entitled PTD MODIFIED PROTEINS by inventors Beverly L. Davidson, Qinwen Mao and Haibin Xia described in application serial no. 09/757,824 filed January 9, 2001.

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify as an independent inventor under 37 C.F.R. 1.9(c) or by any concern which would not qualify as a small business concern under 37 C.F.R. 1.9(d) or a nonprofit organization under 37 C.F.R. 1.9(e). *NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 C.F.R. 1.27)

NAME _____

ADDRESS _____

a) ☐ INDIVIDUAL

b) ☐ SMALL BUSINESS CONCERN

c) ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 C.F.R. 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereof, or any patent to which this verified statement is directed.

NAME W. Bruce Wheaton

TITLE Executive Director and Secretary

ADDRESS 100 Oakdale, #214 TIC, Iowa City, IA 52240

SIGNATURE W. Bruce Wheaton

DATE 7/21/01